

Monoclonal Antibody to Ly49C/F/H/I - FITC

Alternate names:	Killer cell lectin-like receptor, Klra3, Klra6, Klra8, Klra9, Ly-49C, Ly-49F, Ly-49H, Ly-49I, Ly49C, Ly49F, Ly49H, Ly49I, T cell surface glycoprotein Ly 49C, T cell surface glycoprotein Ly 49F, T cell surface glycoprotein Ly 49H, T cell surface glycoprotein Ly 49I
Catalog No.:	AM08064FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	Ly49C, Ly49F, Ly49H and Ly49I are members of the lectin like homodimeric Ly49 family of cell surface receptors. Mouse Ly49 receptors exhibit allelic specificity for MHC class I Ia molecules and are thought to serve to prevent natural killer (NK) cells from attacking normal cells, while allowing them to attack infected or transformed cells in which class I molecules have been down regulated. (Ref.2) These inhibitory receptors are also expressed on a subpopulation of mouse CD8+ T cells.
Uniprot ID:	Q64329
NCBI:	NP_034781
GeneID:	16640
Host / Isotype:	Hamster / IgG
Clone:	14B11
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1,3) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific to an epitope common to the Ly49C, Ly49F, Ly49H and Ly49I allelic/splice variants. The antibody stains ~ 90% of NK1.1+CD3- splenocytes, and ~ 6% of CD8+ spleen cells from C57BL/6 mice. (Ref.1) The antibody also stains 30-80% of NK1.1+CD3-splenocytes in other mouse strains tested (BALB/c, C3H, 129, SJL, AKR/J). Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



- General Readings:**
1. Coles, M.C., C.W. McMahon, H. Takizawa, and D.H. Raulet. 2000. Memory Eur. J. Immunol. 30:236.
 2. Ljunggren, H.G., and K. Karre. 1990. Immunol. Today 11:237.
 3. McMahon, C., and D.H. Raulet. Personal communication.

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